# GENERAL CATALOG No. 27 FEBRUARY 1959

K-D MANUFACTURING COMPANY LANCASTER, PENNSYLVANIA, U.S.A.

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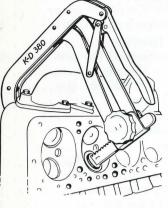
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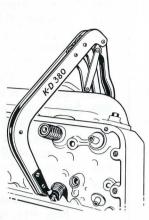
#### ADJUSTMENT AND REPAIR POLICY

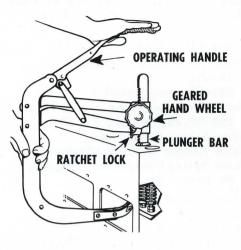
We do not authorize the free replacement of *any* K-D Tools from Jobbers stock. Broken, or so-called "defective" tools may be returned prepaid to the factory for repair if possible, or replacement at our option. Repair charges, if any, and return transportation will be invoiced. Charges depend on the condition of the tools and the number of new parts required.

#### 380 VALVE SPRING COMPRESSOR

Services over 85% of motors on the road today. Just about the most universal Compressor on the market.







Ideal for general shop. Services all modern V-8 valve-in-head engines, older L-heads, plus many truck, bus, and tractors.

Throat opening 10" x 10-1/4". Adjustable Jaws and adjustable Plunger Bar. Plunger Bar seats on both flat and cup shaped valve heads. Rigid bar steel construction, strongly

braced and riveted. Rustproof cadmium finish. Nos. 32 Offset, 35 Straight Jaws furnished.

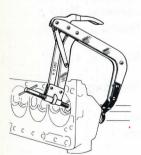
#### **OPERATION**

After depth adjustment is set for first spring, remainder are serviced by working Operating Handle. Complete instructions packed with tool.



#### 383 VALVE SPRING COMPRESSOR

Especially designed to service modern V-8 valve-inhead engines. Location of Operating Handle makes tool fast, easy to use.



Ideal for general shop. Will service many smaller L-head engines if manifolds removed.

Heavy bar steel, adjustable Jaws. Inside clearance 7-3/8". Rustproofed. No. 32 Offset Jaws furnished.

#### **OPERATION**

After depth adjustment is set for first spring, remainder are serviced by working Operating Handle. Complete instructions packed with tool.



#### **Compressor Jaws**

For 325, 380, 382, 383 Compressors. Oil tempered, adjustable.



32 Offset Jaws.



35 Straight Jaws.



**38** Extra Hi-Offset. For use on motors with low manifolds.

**38W** Jaws for White motors. Same as No. 38 but altered to prevent striking block.

39 Jaws for International Engine #450. Same as No. 38 but altered to accommodate special valve spring washer.



# 382 VALVE SPRING COMPRESSOR

For L-head and valve-in-head engines, old or new. Especially developed for working in close quarters.

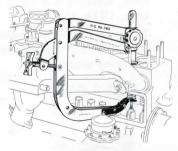


A wide range of adjustments are possible with the Plunger Bar and Operating Handwheel. Tool will service valves of all lengths. Throat opening of 9-3/4" also makes it possible on many engines to span manifold, remove and replace valves without changing working position.

Rigid bar steel, strongly braced. Rust-proofed. Nos. 32 Offset, 35 Straight Jaws furnished.

#### **OPERATION**

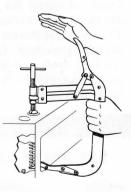
Once adjusted for first spring, remainder are serviced by turning Operating Handwheel. Instructions furnished.





# 385 VALVE SPRING COMPRESSOR

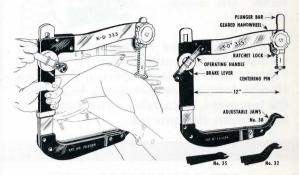
For only very small valve-in-heads or Lheads with light weight valve springs. Services early Buick, Chevrolet, Wisconsin Motors (VE4, VF4, AB, AK single cyl.) plus many industrials. Suitable for L-heads if manifolds removed. Adjustable Jaws. Throat 4-3/4" x 6-1/4". Rustproofed.



**OPERATION.** After depth adjustment is set for first spring, remainder serviced by working Operating Handle. Instructions furnished.

# 325 HEAVY DUTY COMPRESSOR

For BIG Truck, Bus, Tractor engines, valve-in-head or L-head.



One man can operate this rugged tool on most engines with manifolds in place. The adjustments possible with Adjustable Plunger Bar, Operating Handle and selection of Jaws provides flexibility to service valves of any length. Internal gear and rack construction provides power to spare.

Convenient Operating Handle eliminates stretching, pulling. Lifetime construction.

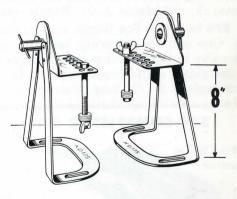
Nos. 32 Offset, 35 Straight, 38 Extra Hi-Offset Jaws furnished.

#### **OPERATION**

Valve springs are raised, lowered by turning Operating Handle. Automatic Brake may be preset. Complete instructions furnished.

# 175 UNIVERSAL ROTATING CYLINDER HEAD HOLDER

Holds all sizes of cylinder heads in any position for cleaning, servicing valves.



Services GM, Chrysler-built, Ford-built, others. Low priced, light weight, compact.

Perfectly balanced to stand firmly on workbench. Heads of varying types, widths bolt firmly to slotted Support Brackets. Thandles lock Brackets at any angle. Rustproofed. Complete instructions furnished.

#### **820 VALVE SPRING COMPRESSOR**

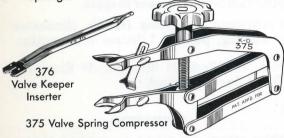
For replacing valve springs (heads on or off) without removing rocker arm assemblies.

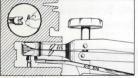


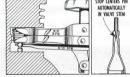
Originally designed for angled Chevrolet springs, this tool can be used on most all valve-in-head engines. Moving Operating Handle down compresses spring, locks Jaws. Oil tempered, adjustable Jaws, heavy bar steel Frame. Rustproofed.

#### 377 COMPRESSOR SET

For all Basic Models of Briggs and Stratton engines, also Clinton engine Models 300, 700, 1100. Set consists of No. 375, No. 376. These two tools will service both pin and split keeper locked valve springs.







Servicing a split keeper-locked valve spring.

Servicing a pin-locked valve spring.

No. 375 Compressor. Turning Handwheel opens, closes Jaws. The Stop within upper Jaw swings forward to "cock" small springs of pin locked valves so they may be replaced. 8" overall, adjustable Jaws. Rustproofed.

**No. 376 Inserter.** For Briggs and Stratton only. One end for removing, inserting pin type valve locks; the other end is magnetic for installing split-keeper type locks on larger engines. 6-1/2" long. Rustproofed.

#### **379 COMPRESSOR SET**



Consists of 376 Inserter and 378 Compressor. No. 378 similar to 375 Compressor with Operating Handle at rear for more convenient operation.

#### 935 VALVE SPRING COMPRESSOR

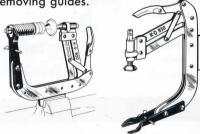
For removing valve springs on 1949–50 Lincoln and 150 hp Ford Truck Models F-7, F-8. Must be used with K-D 930 Compressor.



Due to small clearance, this tool must be used to remove valve springs from the above motors before other work can be done on valves and lifters. Makes a very difficult job easy. Moving Operating Handle down compresses spring, locks Jaws. Tempered Jaws. Rustproofed. Instructions furnished.

#### 930 VALVE SPRING COMPRESSOR

- 1. Used with K-D 935 Compressor to raise valve springs, remove keepers on 1949–50 Lincoln and 150 hp Ford Truck Models F-7, F-8.
- 2. For disassembling and assembling Ford, Mercury V-8 valve guide assemblies, 1934–53.
- 3. For servicing individual valves on 1949–53 Ford and Mercury V-8 without removing guides.



Especially developed to handle the complex valve servicing of the above Ford engines. Once adjusted for first spring, remainder serviced by working Operating Handle. Plunger Bar Screw plainly marked for different hp motors. Grip Block on Frame for holding tool in vise while servicing valve guide assemblies. Rustproofed. Full instructions furnished.

#### 374 VALVE KEEPER INSERTER



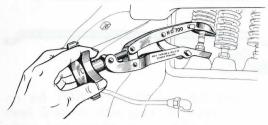
For installing horseshoe valve locks in Clinton engines. Similar to K-D 376 with larger Jaw Magnet. 6-1/2" long, rustproofed.



#### **700 VALVE SPRING LIFTER**

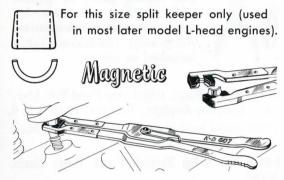
For deep set L-heads, over or under fenders. Ideal for all Chrysler-built L-heads, also Ford 6, 1948–52 incl., many small, foreign L-heads.





Screw-type Lifter, provides plenty of easy lift and clear view of valve. Automatic locking any height. Adjustable Jaws. Only 8" long. Rustproofed.

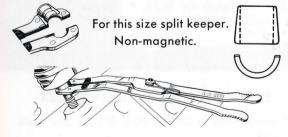
#### **607 VALVE KEEPER INSERTER**



Keepers are automatically and properly aligned on permanent Jaw Magnets. Long and thin for Chrysler-built and Ford-built. 8" long, aluminum alloy.

For this tool skin-packed, see Page 24.

#### **608 VALVE KEEPER INSERTER**



Special spring steel fingers on Jaws automatically align keepers for valve stem. Easy loading. 8" long, aluminum alloy.

For this tool skin-packed, see Page 24.

#### **604 VALVE KEEPER INSERTER**

Like K-D 608. For installing keepers on 7/16" diam. valves used on following trucks: Dodge Models R, T, V, Y (1948–53); Mack Engine Models EN-331, EN-377, EN-401; White Engine Models 120A, 140A, 150A, 250A, 260A, 280A, 290A. 8" long

#### **600 VALVE SPRING LIFTER**

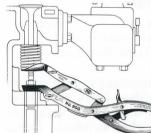
For practically all L-head motors.

Parallel Jaw action.



Fast scissors-type Lifter for automotive, industrial, marine motors where operation in a horizontal position is possible. Ratchet Lock Release, adjustable Jaws, 10" long. Rustproofed.

#### 900 VALVE SPRING LIFTER



For fast under-fender operation on many L-head engines with manifolds on.

"Hi-Offset," scissors-type. Allows plenty of working space, clear view of valve. 8-3/4" long, adjustable Jaws, Ratchet Lock Release. Rustproofed.

#### **609 VALVE KEEPER INSERTER**

For split collar-type keepers used on rotating, free-type valves.



Specially designed for Ford trucks with freetype valves, also services Massey-Harris "Pony" and Allis-Chalmers Model "G" Tractors. 4-1/2" long, self-supporting on valve stem. Aluminum alloy.

For this tool skin-packed, see Page 24.

#### **605 VALVE KEEPER INSERTER**

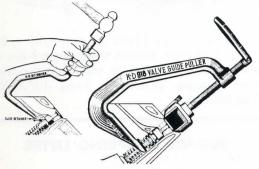
For split keepers with O.D. not less than 7/16", I.D. or valve stem diam. not greater than 3/8".



Easy loading, fast operating. Pressing pads on Handles opens Jaw Springs to load. 7" long, rustproofed.

#### 920 VALVE GUIDE PULLER SET

For all Ford-built motors, 1934–53, where valves are serviced by removing guide assemblies. (Exception: 1937–40, 60 hp.)



Set consists of one 917 Valve Retainer Driver, one 918 Valve Guide Puller, one set of 16 No. 922 Valve Guide Retainers.

Set applies correct mechanical principle to remove "frozen" guides. Pulls assemblies straight up without damage or delay, no matter how tightly they're stuck. Dropforged and tool steel.

#### **OPERATION**

No. 917 Driver removes retainers. No. 918 Puller removes assembly. Set usually pulls ALL valves in less than 30 minutes. Instructions furnished.



#### 245 BAR TYPE VALVE SPRING LIFTER

Companion tool to 920 Set. Pulls guide assemblies down for replacement of retainers.



For Ford V-8 and Mercury. NOT for removing guides. 30" long with identical Jaws at each end. Chrome vanadium steel, properly tempered. Rustproofed. Instructions furnished.

#### **K-D VALVE GRINDING BUSHINGS**



For taking place of guides while grinding valves, also for establishing tappet clearances. Accurately machined. Valve installed as shown.

1118 Body diam. 1.029" for Ford V-8, Mercury, Lincoln-Zephyr, Tractor, Ford 4 & 6.

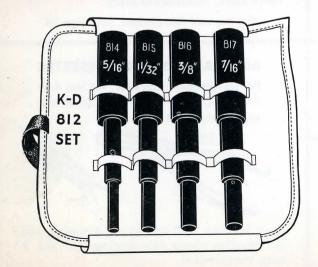
**1120** Solid bushing for 1949–53 Ford, Mercury V-8. Body diam. 1.030".

1260 For 8 hp British Ford. Body diam. .8105".

#### 922 REPLACEMENT VALVE GUIDE RETAINERS



16 furnished with 920 Valve Guide Puller Set. Fit Ford V-8, Mercury, Ford 4 & 6 cyl., Ford Tractor. Boxed per 100 (plated only). Also available in bulk, plated or unplated, 3000 up.



#### **812 VALVE GUIDE DRIVER SET**

Popular sizes to service 90% of cars and small trucks.

Set consists of 4 Drivers in plastic kit. Precision machined for accurate fit. Each 6-3/4" long.

814 Pilot diam. 5/16". Body diam. .485".

815 Pilot diam. 11/32". Body diam. .552".

816 Pilot diam. 3/8". Body diam. .615".

817 Pilot diam. 7/16". Body diam. .675".

Drivers may be purchased separately, individually boxed.

#### K-D VACUUM CUP VALVE GRINDERS



For hand grinding flat head, unslotted valves. Synthetic rubber Vacuum Cups are impervious to oil, grease, gasoline, atmospheric conditions. Made with thin walls for greater suction, and are replaceable.

#### **503 GRINDER**



For valves with head diam. of 1-1/2". Equipped with 1-3/8" diam. Cup. Metal Retaining Ring prevents Cup from slipping off center. I.D. of Retaining Ring 1-9/16". Metal handle flange keeps hands in place.

#### **505 DUAL CUP GRINDER**



Cups 1-1/8" and 1-3/8" diam. for many valve sizes.

**505BF.** Like 505, with 15/16" and 1-1/16" diam. Cups. For small motors and industrial engines.

**510G.** Like 505, with 13/16" and 1-1/16" diam. Cups. For 1" and 1-1/4" diam. valve heads.

# 506 GRINDER K-D No. 506

Popular, low priced. Cup 1-3/8" diam.

**506BF.** Like 506, with 15/16" diam. Cup. For British Ford, other small motors.

# REPLACEMENT CUPS FOR VALVE GRINDERS

Synthetic rubber, 5 diameters: 13/16", 15/16", 1-1/16", 1-1/8", 1-3/8". Be sure to specify diameter when ordering.



# ADAPTORS FOR MECHANICAL VALVE GRINDERS



No. 504

Nos. 507 508G

For use on flat head, unslotted valves. Synthetic rubber cups.

**504** Cup diam. 1-3/8". Metal Retaining Ring prevents Cup slipping off center while grinding.

**507** Cup only, 1-1/8" diam.

**508G** Cup only, 13/16'' diam. For 1'' diam. valves.

**509** Cup only, 1-3/8" diam.

#### K-D PISTON RING EXPANDERS WITH ADAPTORS

These K-D Piston Ring Tools apply the only correct mechanical principle to expand piston rings without strain or distortion.

It is accomplished by using an Expander with a separate Adaptor Ring for each size of piston ring. Each Adaptor will service **only** its corresponding ring size, and the Expander can be used **only** with the Adaptor.

These tools reduce breakage, and save time. There is nothing difficult or special in their operation. Adaptors are easily changed.

Adaptors are correctly sized to service each ring size. Expander Jaws are tempered. All steel parts rustproofed. Complete operating instructions furnished with the tools.

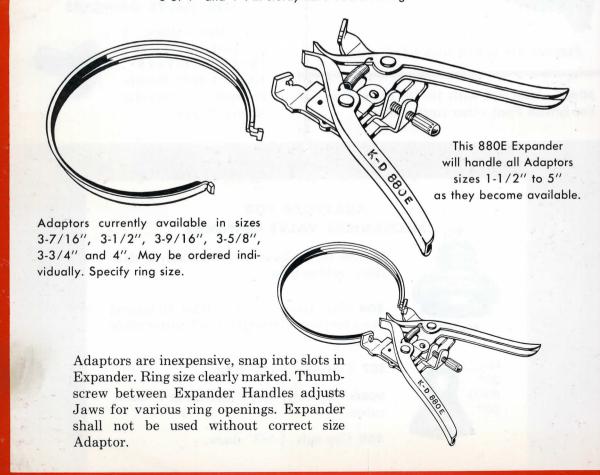


#### THE K-D PRINCIPLE

Pressure is applied to the ring ends by the Expander Jaws (black arrow). Ring expansion is equalized (white arrows) by the Adaptor and distortion prevented.

#### K-D 880 PISTON RING EXPANDER SET

For removing, installing rings in over 80% of cars and trucks. Set consists of one 880E Expander and six Adaptors in sizes 3-7/16", 3-1/2", 3-9/16", 3-5/8", 3-3/4" and 4". In sturdy fibre-board storage box.

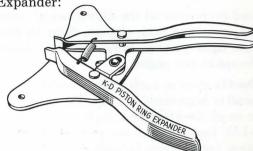


#### 890, 891 PISTON RING EXPANDERS

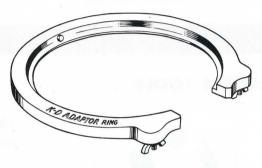
For removing, installing heavy duty rings 4-1/4" to 14" diam.

See description of principle on previous page. The following Expanders and Adaptors are sold individually, and not as a set. Order Adaptors by ring size plus the proper Expander:

**890 Expander** for use with Adaptors 4-1/4" to 9" diam. **891 Expander** for use with Adaptors 11" to 14" diam.



#### **ADAPTOR RINGS FOR K-D 890, 891**



Sizes from 4-1/4" to 14" diameter. A spring plunger located in the Adaptor opposite the Expander Jaws holds piston ring ends against the Jaws until operation is complete. Ring size clearly stamped. Quickly fastened to Expander with wing nuts.

Sizes in stock for the following diameter piston rings. Other sizes to order.

4-1/4" for use with No. 890 4-1/2" for use with No. 890 5" for use with No. 890 5-1/8" for use with No. 890 5-1/4" for use with No. 890 5-1/2" for use with No. 890 5-3/4" for use with No. 890 6" for use with No. 890 6-1/8" for use with No. 890 6-3/4" for use with No. 890 7-1/4" for use with No. 890 7-1/2" for use with No. 890 8-1/8" for use with No. 890 8-1/2" for use with No. 890 9" for use with No. 890 11" for use with No. 891 12-1/2" for use with No. 891 14" for use with No. 891

#### **870 PISTON RING FILER**



A portable, rotary Filer for sizing any make, any type, any size ring with machine shop accuracy.

Ring is held against the calibrated gage plate. Turning crank files both ends at same time. 6" continuous cutting stroke. Can also be used as rotary hacksaw.

**872** Cutter File for No. 870. Select tool steel, milled to maximum sharpness, correctly tempered.



#### **875 PISTON RINGER**

For removing, installing piston rings.

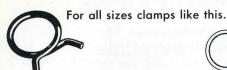


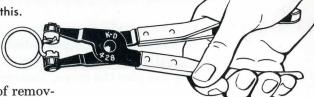
Pocket-size, for rings less than 4" diam. Light, strongly built, correctly tempered. Rustproofed.

#### **OPERATION**

Ring gripped by tool, expands when handles are squeezed.

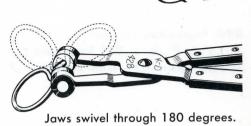
#### **428 HOSE CLAMP PLIERS**





Tool overcomes all the difficulties of removing, installing hose clamps. Slim to reach into tight places; Jaws swivel to handle clamps at any angle.

Double slots in each Jaw provided to hold small or large sizes securely. Jaws close fully so small sizes can be completely expanded. 8-1/8" long, all steel, rustproofed. Tempered Jaws. Instructions furnished.



For this tool in counter display, also skin-packed, see Page 24.

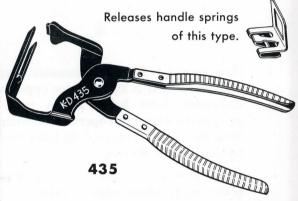
#### DOOR HANDLE TOOLS



For all GM cars since 1933; all Ford-built since 1951; all others using this type clip. Provides fastest, surest way to reach and remove interior door handles. Won't mar upholstery, reduces danger of flying springs. Strong, all steel with very thin spring steel

For this tool skin-packed, see Page 24.

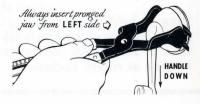
Jaws. Length 7-3/4". Rustproofed.



Specially designed for Chrysler-built cars since 1955. The spring clip illustrated must be released from a groove in the shaft before handle can be removed. Pronged Jaws also useful in removing interior door trim panels. All steel, rustproofed, correctly tempered. 9" long.

For this tool in counter display, also skin-packed, see Page 24.





Jaws slide between handle boss and upholstery washer until ''bottoming'' on spring clip. Squeeze Handles together gently, just to release clip from groove. By ''feeling your way'', pull handle off. DON'T PRY! Complete instructions furnished.

#### 440 MOLDING CLIP INSTALLING TOOL



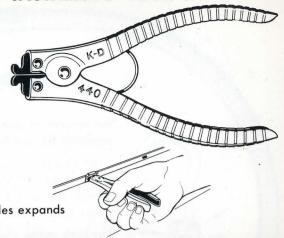
For all clips of this type.

Especially designed for installing molding clips in late Chevrolet, Buick, Olds and Pontiac. Small, easy to handle. Only 5-1/4" overall. Hardened Jaws, rustproofed finish.

For this tool skin-packed, see Page 24.

#### **OPERATION**

Jaws fit inside clip. Squeezing Handles expands clip, holding it in place.



#### 1500 TIRE PROBING TOOL



Spreads cuts in tires for easy removal of foreign bodies, without mutilating tires. Absolutely necessary for checking tubeless tires. Probes are inserted lengthwise into cut, turned at right angles. Squeezing Handles spreads Jaws, opens cut. 6" long, all steel, rustproofed. Tempered probes.

# 438 WINDOW REGULATOR ARM REMOVER



Releases this spring for removal of complete roller assembly in Ford-built windows.



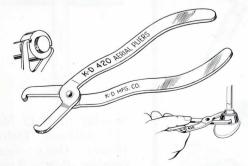
Releases spring clip which secures Regulator Arm so Arm can be lifted off with spring still in place, undamaged. Roller assembly remains in the channel ready for replacement. Saves half an hour. 4-1/2" long.

For this tool skin-packed, see Page 24.



**OPERATION:** After removing handles and upholstery insert tool Jaws channel side up between Regulator Arm and roller assembly. Push until tool bottoms, releasing spring. Lift Arm off.

#### **420 RADIO AERIAL PLIERS**

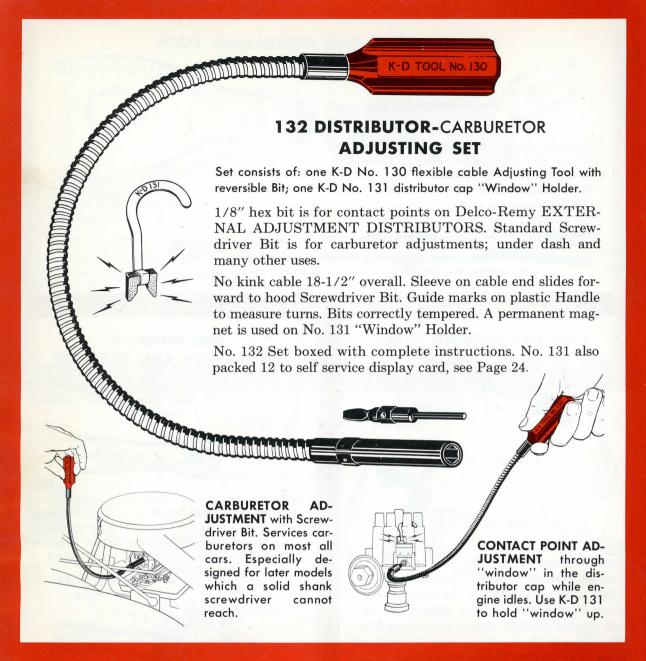


For removing, installing the double notched, cone-shaped nut used on many fender aerials. Useful for many other light spanner wrench jobs. 7-3/4" long, tempered, rust-proofed.

#### **425 LAMP BULB PLIERS**



Removes, installs bayonet and flange type bulbs. Jaws milled with sharp teeth for a sure, non-slip grip on base of bulbs to prevent breaking glass. Jaws offset to prevent scratching reflectors. 7-1/2" long, tempered.

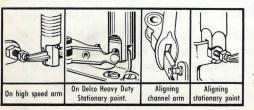




For aligning contact points right in the distributor.

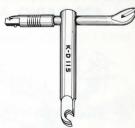
Designed to handle all kinds of points in all types of distributors, including Ford. The illustrations show each Arm in use on the type point it is designed to service. Carefully forged and machined, correctly tempered. Rustproofed. Complete instructions furnished.

For this tool skin-packed, see Page 24.





#### 115 IGNITION POINT ALIGNING TOOL



Similar to K-D No. 111 without Delco Heavy Duty Stationary Point Arm. Carefully forged and machined, correctly tempered. Rustproofed. Complete instructions furnished.

#### **K-D IGNITION KITS**

For almost any type ignition adjustment.

Many ignition ills occur from incorrect point adjustments on distributors and voltage regulators. These K-D Kits were created to cover all types of ignition service with one complete set of tools. They do the job quickly, accurately, as the result of long and careful study by ignition experts. All carefully machined, tempered, rustproofed. The operation illustrations below show each tool in use. Operations also pictured on each Kit box.

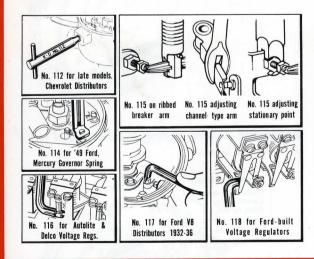
#### **122 IGNITION KIT**



Plastic case 4-15/16" x 4-5/8". Contains the following tools:

- 112 Ignition Wrench
- 114 Ford Governor Spring Adjusting Wrench
- 115 Ignition Point Aligning Tool
- 116 Autolite & Delco Voltage Regulator Tool
- 117 Offset Screwdriver for Ford V-8 Ignition Point Clamping Screws
- 118 Ford Voltage Regulator Tool

Tools may be purchased separately.



#### **120 IGNITION KIT**

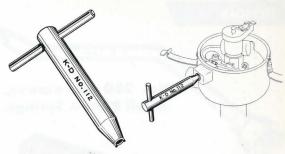
Same as No. 122 Kit without No. 112 Wrench.

#### 119 IGNITION KIT

Plastic kit. 3-1/4" x 4-1/2". Contains Nos. 114, 116, 117, 118 Ignition Wrenches only.

#### 112 IGNITION POINT WRENCH

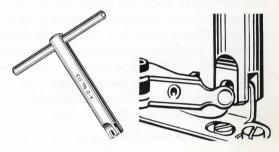
For 1953-54 Chevrolets.



Removes, installs locking nut on the movable point in Chevrolet distributors as shown. Specially designed for the job. Carefully machined, tempered, rustproofed.

#### 113 IGNITION POINT WRENCH

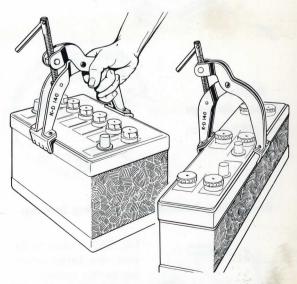
For aligning Delco heavy duty stationary points.



Single end Wrench, same as corresponding arm on K-D No. 111. Carefully machined, correctly tempered, rustproofed.

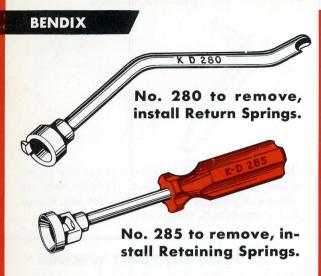
#### 140 BATTERY HANDLER

To remove, install and carry batteries with **safety** and ease.



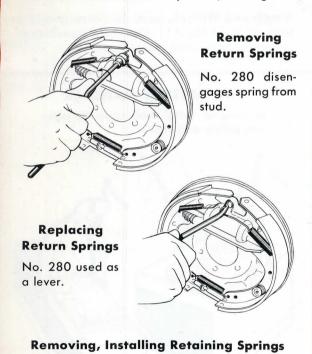
Handles all widths of both long and short types of popular 6 and 12 volt batteries (as used in motor vehicles, boats, tractors, etc.). Grips battery case securely for tilting and maneuvering in tight places. Rustproofed. Complete instructions furnished.

#### K-D BRAKE SHOE SPRING TOOLS



Two necessary tools for every job on these brakes. Specially designed for speed, safety and ease of operation. No. 280 is solid steel, carefully machined, rustproofed. Length 8-3/4". No. 285 is a carefully machined steel rod and Socket, rustproofed. Length 7". Non-slip plastic Handle. Complete instructions furnished with each tool.

For each of these tools skin-packed, see Page 24.



No. 285 is used to depress the dished retaining spring washer.

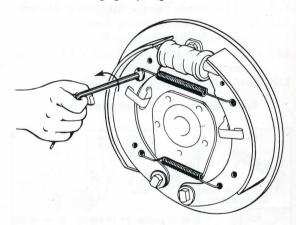
# No. 270 to remove, install the Brake Shoe Return Spring on Lockheed hydraulic brakes.

LOCKHEED

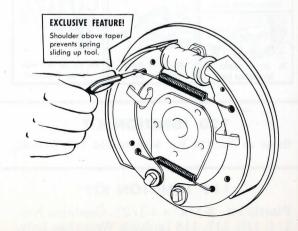
These springs must be removed before doing any brake work. K-D 270 makes the job easy, does it safely. Solid steel, carefully machined, rustproofed. Length 7-5/8". Complete instructions furnished.

For this tool skin-packed, see Page 24.

**Removing Return Spring** Flanged end of tool is used to disengage spring.



**Replacing Return Spring** Tapered end of tool is used as a lever.



#### **804 AXLE PULLER SET**

For pulling threaded axle shafts.



Set consists of 20" machined Bar with Sliding Hammer, plus Nos. 805, 806, 807 Adaptors (right) to fit popular size axle shafts. Adaptors are threaded on axle shaft, Bar is then threaded into Adaptor. Striking Hammer against hex nut at other end of Bar pulls axle. Also included is No. 809 Driving Cap which converts Adaptors into knock-off wheelpullers.

Rugged construction, machined steel parts, rustproofed. Adaptors heat treated, but not subject to return for replacement. Complete instructions furnished.

#### ADAPTORS FOR K-D 804 AXLE PULLER





No. 805, 806, 807, 808

No. 809 Driving Cap

**805** Size 5/8" x 18. 2-1/4" long.

**806** Size 3/4" x 16. 2-1/4" long.

**807** Size 7/8" x 14. 2-1/4" long.

**808** Size 1" x 14. 2-1/4" long. Not furnished with 804 Set.

**809** Driving Cap. Threads into all Adaptors to convert them into knock-off wheel-pullers. 1-1/4" long.

#### "BINGO" WHEEL PULLERS



A quick, convenient method for jarring wheel hubs loose without damage to axles. Specially heat treated for hard service. All sizes 2-1/4" long. Sizes as follows:

5/8" x 18	1" x 14
3/4" x 16	$1-1/8'' \times 7$
3/4" x 20	1-1/8" x 12
13/16" x 16	$1-1/4'' \times 7$
7/8" x 14	1-1/4" x 12
7/8" x 16	$1-1/2'' \times 6$
7/8" x 18	1-1/2" x 12

**800B "Bingo" Puller Set.** 5 sizes in metal-edged fibre box. Sizes 5/8" x 18, 3/4" x 16, 7/8" x 14, 1" x 14, 1-1/4" x 12.



**800C "Bingo" Puller Set.** 3 sizes in metal-edged fibre box. Sizes  $5/8" \times 18$ ,  $3/4" \times 16$ ,  $7/8" \times 14$ .



Not subject to return for replacement or credit.

#### K-D "BRITE-STEEL" WASHERS



Made of highest quality cold-rolled steel, conforming strictly to S.A.E. and U.S. Standards. Sizes from 1/8" to 1" incl. Cut flat and clean; holes are always centered. Packed in attractive 1 lb. boxes, in 5 lb. boxes, or in bulk. See Catalog Supplement No. 29W for types, sizes, prices, etc.

55 S.A.E. 3 LB. ASSORTMENT in counter display box, see Page 24.

#### K-D REVERSIBLE RATCHET BOX WRENCHES

Quality tools developed by auto mechanics for general service. Popular sizes of hex openings from 1/4" to 7/8".

Selected alloy steel with 10 sizes reversible Heads, graduated in sixteenths. Ratchet Teeth are closely spaced to permit short stroke in tight working conditions. Correctly tempered, attractively finished with bright, rustproof cadmium plating. Sold individually or in complete Sets (below).



Order individual wrenches by Number

(For these Wrenches individually skin-packed, see Page 24.)

- **61** Reversible Ratchet Wrench. Length 3-7/8". 1/4" and 5/16" hex.
- **62** Reversible Ratchet Wrench. Length 5-1/4". 3/8" and 7/16" hex.
- 63 Reversible Ratchet Wrench. Length 6-1/2". 1/2" and 9/16" hex.
- 65 Reversible Ratchet Wrench. Length 7-7/8". 5/8" and 3/4" hex.
- 66 Reversible Ratchet Wrench. Length 9-3/16". 11/16" and 7/8" hex.

#### COMPLETE SETS PACKED IN KITS

Sturdy white plastic rolls with black binding, transparent pockets, wrap-around ties. Very attractive.



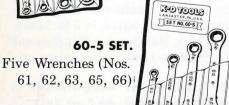
#### 60-3 SET.

Three Wrenches (Nos. 62, 63, 65)



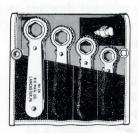
#### 60-4 SET.

Four Wrenches (Nos. 61, 62, 63, 65)



#### **20 RATCHET WRENCH SET**

Pocketsize kit with hex sizes 3/8", 7/16", 1/2", 9/16" openings.







Reversible Ratchets, no heads to change. Screw or nut held in place for upside down work like a box socket. No. 26 double end Screwdriver Bit to fit 3/8" Wrench included in kit. Correctly tempered Heads and Ratchets. Very popular with Plumbers for use on chrome and brass acorn nuts.

#### ORDER INDIVIDUAL WRENCHES BY NUMBER

**21 Wrench.** 3/8" hex. 3" long.

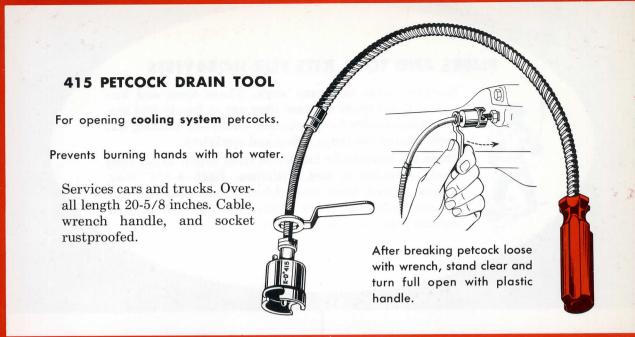
**22 Wrench.** 7/16'' hex. 3-1/2'' long.

**23 Wrench.** 1/2" hex. 4" long. **24 Wrench.** 9/16" hex. 4-1/2" long.

26 Screwdriver Bit. 3/4" long.

For Nos. 21, 22, 23, 24 skin-packed, see Page 24.

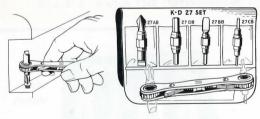
Newly Improved



#### OFFSET RATCHET BIT SETS

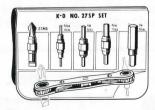
Designed for all types of close tight work, also right angle applications where shanked screwdrivers can't reach.

For all 4 types  $\oplus \oplus \ominus \odot$ 



**No. 27.** Plastic kit contains No. 27W Reversible Ratchet Wrench and 4 Bits—Nos. 27AB, 27BB, 27CB, 27DB described below. Bits held securely in place for "upside down" work.

For kit on rack display card, see Page 24.



**No. 27SP.** Similar to 27 Set. Plastic kit contains No. 27W Reversible Ratchet Wrench and 5 Bits—Nos. 27AB, 27CB, 27EB, 27FB, 27GB described below.

**No. 27S.** Same as No. 27SP Kit above without No. 27AB "Phillips" Bit.

# DOUBLE END BITS AND WRENCH FOR 27, 27SP, 27S.

Bits for No. 27W Wrench. Each 1-1/2" long, accurately forged, correctly tempered.

**27AB BIT:** One end for Phillips, Reed & Prince screws Nos. 0 to 12; other end slotted screw bit 9/32" wide.

**27BB BIT:** Slotted screw bit 3/16" wide and 1/8" hex key.

**27CB BIT:** Hex keys 5/64" and 3/32".

**27DB BIT:** Hex keys 5/32" and 3/16".

**27 EB BIT:** Hex keys 1/8" and 5/32".

**27FB BIT:** Hex keys 3/16" and 7/32".

**27GB BIT:** Hex keys 1/4'' and 5/16''.

**27W REVERSIBLE RATCHET WRENCH:** 1/4" and 5/16" hex openings. 3-7/8" long. Tempered, rustproofed.

Bits and wrench may be ordered separately. Order by Number.

#### 21P RATCHET WRENCH



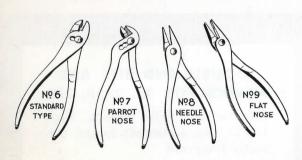
Single end reversible Wrench with 5/16" hex. Wrench 2-7/8" long, tempered, rustproofed.

#### PLIERS AND TOOL KITS FOR HOBBYISTS



Essential tools for small work. These tools and kits appeal to everyone because they are so handy and useful. Indispensable for sportsmen, hobbyists; nothing like them around the home, office and workshop.

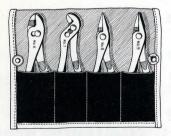
Pliers are beautifully fashioned from bright finish alloy steel, tempered to last a lifetime. Each 4-1/4" long. Engine turned brass screwdrivers have hardened and ground blades. Attractive plastic cases can be imprinted. Submit your copy for quotation.



#### INDIVIDUAL PLIERS

4-1/4" long. Forged steel, milled jaws, knurled handles. Tempered to correct hardness, bright cadmium finish. May be ordered separately.





#### **10K PLIERS KIT**

Plastic roll contains Pliers No. 6, 7, 8, 9 described above. Roll measures 3" x 4-3/4" x 1/2" thick, folded.



#### 11K PLIERS KIT

Plastic roll contains Pliers No. 6, 7, 8. Roll measures 4-3/8" x 5-1/4", flat.

For the pliers only, skinpacked, see Page 24.



Screwdriver detail.



Model Makers

#### **5B TOOL KIT**

Contains Nos. 6 and 8 Pliers plus No. 5C 3-in-1 Screwdriver. Kit 3-3/4" x 4-1/2".



#### **5KC TOOL KIT**

Plastic case contains Nos. 6 and 8 Pliers; one ball-peen hammer; No. 5C 3-in-1 Screwdriver; one stainless steel 4" rule calibrated in mms. and 1/32". Case 5" x 4-1/2".

Fishermen



#### 12KC TOOL KIT

Red plastic case contains one amber handle screwdriver 2-3/4" long with 1/16" Bit for tiny screws; one 4" stainless steel rule calibrated to mms. and 1/32"; one 4" half round needle point jeweler's file; one No. 6 Pliers. Case 2-1/8" x 4-3/4" folded.



#### **K-D SCREWDRIVERS**



#### 5L "FITS-ALL"

5 screwdrivers in one handle. Patented Reversible Bit fits all Phillips type Nos. 0 to 10. Blade end 3/16" wide. All blades correctly shaped and tempered. Handle can be imprinted, not more than 2 lines. Write for imprinting price.



#### 5C 3-IN-1

Knurled brass handle, 4-3/8" long. Hardened and ground blades. Packed 12 to display box.



#### 5D 4-IN-1

Like No. 5C, 6-1/8" long. Packed 12 to display box.

#### **5R STUBBY**

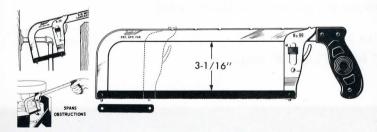
Reversible Bit same as in No. 5L. Red plastic Handle can be imprinted. Ideal prize, premium, gift. Imprinting price on request.

For this tool skin-packed, see Page 24.



#### 99 CONVERTIBLE HACKSAW FRAME

The Saw that "Cuts Around Corners." Spans obstructions and projections on difficult jobs.



All steel frame with quick blade change feature. Stops to fit 3", 4-1/2", 6", 8", 10", 12" blades.

Saws in places impossible to reach with conventional frames when using 3" or 4-1/2" blade. Streamlined Backbone saws in openings down to 3/16" wide! Backbone and Handle integral, providing great strength, rigidity. No loose parts; Frame cannot "jackknife." Comfortable pistol Grip, correctly angled for balance. One 4-1/2", one 12" blade furnished.

QUICK, EASY BLADE CHANGE: Release Lever on Tension Bar, install blade, reset Lever. Correct tension assured. Complete instruc-

tions furnished.



# K-D "FLEX-TUNG" HACKSAW BLADES

Finest quality, correctly tempered. One dozen to a package.

No. 13-3"

No. 14-4-1/2"

No. 15-12"

No. 16-10"

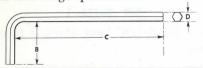
#### K-D SOCKET SCREW KEYS

K-D Keys are of the highest quality, accurately forged, correctly tempered. Only fine, tough, tool steel—no inferior materials—are used in their manufacture. Eleven hex sizes, from .050" to 3/8". Practical, intermediate lengths for all work, compared with standard long and short keys.

Sold individually, in bulk, or in sets. See Page 24 for counter display assortment.

#### INDIVIDUAL SOCKET SCREW KEYS

See price list. Write for prices on special lengths and large quantities.



	SOCKET SCREW SIZES						Order Hex Key Sizes from <b>D</b>			
HOLLOW SET SCREWS	SOCKET HEAD CAP SCREWS	FLAT HEAD CAP SCREWS	STRIPPER BOLTS	PIPE PLUGS	D	С	В			
No. 4					.050"	15/8"	1/2"			
No. 5 & 6		4			1/16"	1 15/16"	9/16".			
No. 8	No. 4	6			5/64"	2 3/16"	5/8"			
No. 10	No. 5, 6 & 8	8			3/32"	2 7/16"	5/8"			
1/4"	No.8-	10	1/4" 5/16"		1/8"	2 1/16	3/4"			
1/4 " 5/16"	No.10	1/4"	5/16"	1/16"	5/32"	3"	7/8"			
3/8"	1/4"	5/16 "	3/8"	1/8*	3/16"	35/16	7/8"			
7/16"	5/16"	3/8"			7/32"	33/4"	1"			
1/2 & 9/16"	, , ,	7/16*	1/2"	1/4"	1/4"	41/8"	11/8"			
5/8*	3/8" & 7/16"	1/2" 5/8" & 3/4"	5/8" 3/4"	3/8"	5/16"	45/8	11/4"			
3/4"	1/2"	5/8" s. 3/4"	3/4"	1/2"	3/8"	51/8"	13/8"			



#### **30 SET**

Metal container with all eleven sizes K-D Keys, plus No. 31 Extension Handle. Easy to read chart stamped in container shows both set screw and cap screw sizes with corresponding hex key sizes. Kit 5-3/8" x 5-3/4", rustproofed.



Using Extension Handle on short end of key when long end is used to turn screw.

#### **29 KIT**

Seven hex keys plus No. 28 Extension Handle in plastic kit. Key sizes: 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4".

For this Set on rack display card, see Page 24.

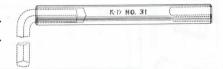


#### **EXTENSION HANDLES FOR SOCKET SCREW KEYS**

For extra leverage on short end of keys when long end must be used to reach screw. Large counterbore in one end, 2 smaller counterbores in opposite end. Rustproofed.

**31 HANDLE.** For keys .050" to 3/8". 5-3/16" long.

**28 HANDLE.** For keys 5/64" to 1/4". 3-7/8" long.



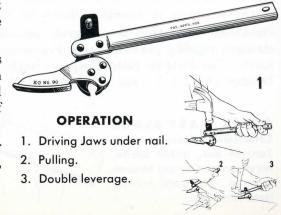
#### **90 NAILPULLER**

Powerful, easy to use, especially convenient in tight places where ordinary bar pullers are too awkward to manage.

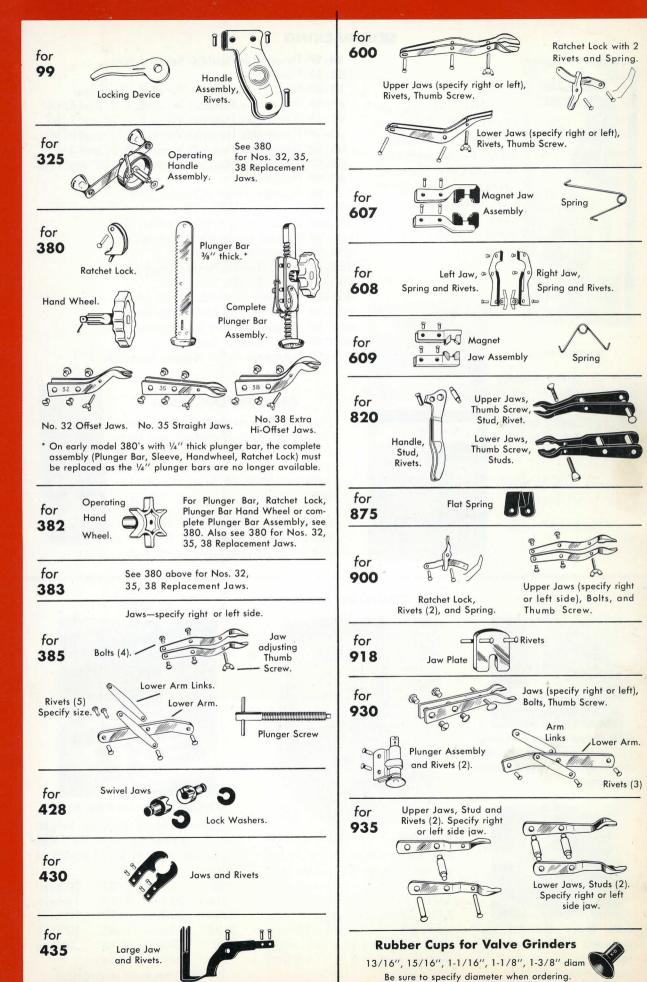
A pocketsize, extra leverage tool for nails and fence staples. 12" long, satisfaction guaranteed up to tenpenny nails. Hardened tool steel counteracting Jaws, rustproof finish.

Preferred by Carpenters, Electricians, Floor Layers, Shipping Rooms, Maintenance Men, Farmers, general Home Use.

Nailpuller skin-packed, see Page 24.



#### REPLACEMENT PARTS



#### PACKAGING AND DISPLAYS

#### SKIN PACKING

**5R-SP** Reversible Stubby Screwdriver

11K3-SP Pliers Set

19-SP Nos. 21, 22, 23, 24 Ratchet Wrenches

61-SP Reversible Ratchet Wrench, 1/4" and 5/16"

62-SP Reversible Ratchet Wrench, 3/8" and 7/16"

**63-SP** Reversible Ratchet Wrench, 1/2" and 9/16"

**65-SP** Reversible Ratchet Wrench, 5/8" and 3/4"

66-SP Reversible Ratchet Wrench, 11/16" and 7/8"

90-SP Nailpuller

111-SP Ignition Point Aligning Tool

270-SP Lockheed Brake Shoe Spring Tool

280-SP Bendix Brake Shoe Spring Tool

285-SP Bendix Brake Shoe Spring Tool

428-SP Hose Clamp Pliers

430-SP Door Handle Spring Remover

435-SP Door Handle Remover

438-SP Window Regulator Arm Remover

440-SP Molding Clip Installing Tool

607-SP Magnetic Valve Keeper Inserter

**608-SP** Valve Keeper Inserter

609-SP Magnetic Valve Keeper Inserter



For easier selling, fa-

vorite K-D Tools are

now available in spar-

kling, 3-color, soilproof,

skin-packing. The most

attractive package in

the hand tool field,

they give you extra

point-of-sale volume.

#### RACKS FREE

HOSE CLAMP

**PLIERS** 

One of these sturdy metal racks is yours free with initial stock order of carded or skinpacked tools. See price list.

Counter rack 23" wide x 17-1/4" high x 7"

Wall rack 22" wide x 36" high.



#### RACK DISPLAY CARDS

The following items are in their own plastic kits, and, therefore, not skinpacked. They are securely fastened (pilferproof) to similar three-color cards punched to hang on display racks.

27-C Offset Ratchet Bit Set

Socket Screw Key Set

131-C 12 Distributor Cap "Window Holders"



#### COUNTER DISPLAYS



**428 Hose Clamp Pliers.** 12 individually boxed tools in metal-edged counter display.



435 Door Handle Remover. 12 individually boxed tools packed in metal-edged display.



55 S.A.E. 3 Lb. Washer Asst.

For home shops, farms, small garages, hobbyists. One half pound each of 6 popular sizes: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2". Approx. 580 pieces total, all bright, rustproof cadmium finish. Substantial metal-edged display carton 5-1/4" x 6-3/8" x 1-1/2".



33 Socket Screw Key Asst.

All eleven K-D sizes in bright orange, metal display. Key size reference card in lid. Packed as follows:

.050" . . . 5 keys 5/32" . . 20 keys 1/16"...20 keys 3/16"...10 keys

5/64"...20 keys 7/32"...10 keys 3/32"...20 keys 1/4"....10 keys

1/8"...20 keys 5/16"...5 keys 3/8"....5 keys

145 keys total in assortment.

#### SUGGESTED RESALE & LIST PRICES

K-D TOOLS

See Catalog No. 27, Dated February, 1959. Also Catalog Supplements Nos. 27B - 27D - 27E. This Resale Sheet on Tools supersedes Resale Sheet Nos. 27R - 27AR - 27BR

#### K-D MANUFACTURING COMPANY

#### LANCASTER, PENNSYLVANIA

ype No.	Unit	Suggested Resale	List	Type No.	08.	Unit	Suggested Resale	List
5B	Ea.	\$ 2.35	\$ 3.20	113	001	Ea.	\$ 2.00	\$ 2.75
5C	-		6.65	114		Ea.	.60	.80
5D	Doz.	11.10	14.40	115			3.85	5.25
5KC	Ea.	4.15	5.65	116		77	.85	1.15
5L	Ea.	1.90	2.50	117		Ea.	1.05	1.45
5R		1.20	1.65	118	05.3	7-1	.65	.90
5S		1.10	1.55	119			2.90	3.95
<u>6</u>		.85	1.15	120		-	7.40	10.10
7 8		.90 .75	$\frac{1.25}{1.05}$	$\frac{122}{130}$		-	8.30 4.00	11.35 5.45
60 .63								
9	-	.65	.90	131 132		***	.50 4.40	.85 6.00
.0K	***	$\frac{3.05}{2.45}$	4.15 3.35	140			4.95	6.80
11K		$\frac{2.45}{2.15}$	2.95	175	(2.1 .80		15.00	20.55
1K32KC		3.60	4.90	176	18-1		8.85	12.10
		0.15	0.05	177	Ea. 1.30 Ea. 1.15	Set	21.85	29.90
3	~	$2.15 \\ 2.35$	$\frac{2.95}{3.20}$	190		77	2.45	3.35
	-	3.45	4.70	245		-	5.25	7.15
6		2.80	3.85	270	JH 15 JA 1		1.90	2.60
9		2.90	4.00	280		_	1.85	2.50
0		3.40	4.65	285	Unix Sea	Ea	1.20	1.65
1		.70	.95	286			2.10	2.90
21P		.70	.95	287			1.15	1.55
22		.85	1.15	288		-	7.95	10.90
23	Ea.	.90	1.25	289		Ea.	8.20	11.25
24	Ea.	1.00	1.35	290		Ea.	15.95	21.85
26		.30	.40	291		-	2.25	3.10
27		3.45	4.70	292		Ea.	.95	1.30
27AB	Ea.	.65	.90	293			1.85	2.55
27BB	Ea.	.45	.60	294		Ea.	2.10	2.90
7CB	Ea.	.45	.60	295		Ea.	1.30	1.80
7DB		.45	.60	296			.65	.90
7EB	Ea.	.45	.60	325			26.15	35.80
7FB		.45	.60	374			1.05	1.45
27GB	Ea.	.45	.60	375		Ea.	7.95	10.90
7S	Set	3.45	4.70	376		Ea.	1.05	1.45
7SP	Set	4.10	5.60	377		Set	9.00	12.30
7W		2.10	2.65	378		~ .	8.60	11.75
28	-	.55 1.65	$\frac{.75}{2.25}$	379 380			9.65 $12.25$	13.20 16.75
29	Еа.	1.05	2.20	300		La.		
30	The second secon	3.95	5.40	382			13.50	18.50 $12.20$
31	-	1.10	1.50	383			8.90 6.70	9.20
32 33	-	$1.50 \\ 14.15$	$\frac{2.05}{18.40}$	385 405		77	8.25	11.30
35	-	1.50	2.05	410		-	1.25	1.70
and T. Cl. amplementals and the		150	571 a a a	411		E	1.95	2.70
		$\frac{1.50}{1.50}$	$\frac{2.05}{2.05}$	411 412			2.90	4.00
38W 39	Pair	1.50	2.05	415			3.95	5.40
40		.95	1.30	420			1.55	2.10
49		4.65	7.55	425	P3QE		1.55	2.10
55	Fo	2.80	4.00	428		Fo	2.40	3.30
55 30-3		9.75	12.30	429		Ea.	2.60	3.55
30-4		11.85	15.00	430	63,016 773		1.60	2.20
30-5		16.00	20.20	435			2.85	3.90
61		2.10	2.65	438			1.20	1.65
32	Ea	2.65	3.35	440		Ea	2.15	2.95
33		3.30	4.15	441			3.45	4.70
35		3.80	4.80	444			7.95	10.05
36	Ea.	4.30	5.45	445		<u>Set</u>	4.20	5.30
90		2.00	2.75	445T		Ea.	3.50	4.40
99	Ea.	3.85	5.25	446		Set	4.20	5.30
05		1.25	1.70			Ea.	3.50	4.40
06	Ea.	1.25	1.70	447			1.30	1.65
07		1.25	1.70	448		Set	2.10	2.65
08	Ea.	3.60	4.90	449P	or the state of th	Pair	.30	.35
11		4.80	6.55	501			1.15	1.60
							1.05	1.45

#### SUGGESTED RESALE & LIST PRICES (Continued)

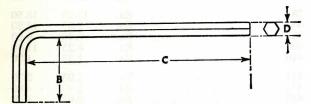
Type No.	Unit	Suggested Resale	List	Type No.	Suggested Unit Resale	List
504	Ea.	\$ .90	\$ 1.25	817	Ea. \$ 2.60	\$ 3.55
505	77	1.20	1.65	820	Ea. 5.25	7.15
	77	1.20	1.65	870	Ea. 11.30	15.45
505BF	177 -	.80	1.10		Ea. 1.20	1.6
506	-	.80	1.10		Ea. 2.00	2.7
506BF	. La.	.00	1.10	0.0		
507	Fa.	.80	1.10		Ea. 5.95	8.13
	T.7	.80	1.10	Adaptors - Specify Ring Size	Ea70	.95
508G	- =	.80	1.10	880E	Ea. 2.85	3.90
509		1.20	1.65		Ea. 6.50	8.90
510G		3.70	5.05	000	Ea. 12.20	16.70
600	. Ea.	3.10	0.00	Adaptor Ring Sizes 9" to 10%"		18.10
004	Ea.	2.90	3.95	Adaptor rung Sizes 5 to 1078	La. 10.20	10.10
604	103	2.05	2.80	891	Ea. 8.40	11.50
605	T.	2.80	3.85	Adaptor Ring Sizes 11" to 12%"		27.80
607	17.7		3.85	Adaptor Ring Sizes 13" to 13%"	Ea. 24.40	33.40
608	77	2.80			Ea. 10.50	14.60
609	. Ea.	2.00	2.75			39.60
The Uker and	E.	3.95	5.40	Adaptor Ring Sizes 14" to 171/2"	Ea. 27.40	39.00
700			6.25	900	Ea. 3.70	5.05
710		4.95		015	Ea. 3.70 Ea. 1.65	2.25
715		7.95	11.15			2.90
804		9.75	13.35	021	Ea. 2.10	
805	. Ea.	1.15	1.60	918	Ea. 13.90	19.05
	Ea.	1.25	1.70	920	Set 15.70	21.45
806			1.90	000		3.05
807		1.40		000	Ea. 6.70	9.15
808		1.55	2.10			
809		1.15	1.60		Ea. 5.45	7.45
812	. Set	8.25	11.30	1118	Ea. 2.10	2.90
014	Ea.	2.60	3.55	1120	Ea. 1.75	2.40
814		2.60	3.55		Ea. 2.10	2.90
815			3.55		Ea. 2.60	3.55
816	. Ea.	2.60	3.55	1500	Lia. 4.00	0.00

#### **BINGO WHEEL PULLERS**

Size	Suggested Resale	Ui.	List	Size	Suggested Resale	List
5⁄8″—18 Ea			1.45	11/8"—7	a. \$ 1.40	\$ 1.90
34"-16 Ea	. 1.05		1.45		la. 1.40	1.90
3/4"-20 Ea	. 1.10		1.50	1¼"-7 E	la. 1.40	1.90
/1 = 0			1.85	1¼"-12 E	a. 1.40	1.90
<sup>13</sup> / <sub>16</sub> "−16 Ea 78"−14 Ea			1.85	1½"-6 E	a. 2.70	3.70
T/ 10 F			1.90	1½"-12 E	a. 2.70	3.70
%"−16 Ea %"−18 Ea			1.90	No. 800B Set S	et 5.55	7.60
1"-14 Ea	. 1.40		1.90	(5 sizes in carton)		
#. T = 0001  R.01				No. 800C Set S (3 sizes in carton)	et 3.05	4.15

NOTE - BINGO PULLERS are not subject to replacement. Do not return for adjustment or credit.

#### K-D SOCKET SCREW KEYS



K-D Socket Screw Keys are intermediate lengths as compared with standard short and long arm series. Mechanics find the intermediate lengths to be practical for all around work. See dimensions D, C and B.

Specify Hex Key Sizes under D

12.2 CR		DIMENSION			N.	PRICE PER 100					
Hollow Set Screws	Socket Head Cap Screws	Flat Head Cap Screws	Stripper Bolts	Pipe Plugs	D	C	В	Standard Package	Net Weight	Suggested Resale	List
No. 4 No. 5 & 6 No. 8	No. 4	4 6			.050" 1/16" 5/64"	15/8" 115/16" 23/16"	1/2" 9/16" 5/8"	25 ea. 35 ea. 35 ea.	1 oz. 1½ oz. 2½ oz.	\$ 4.10 4.25 4.30	\$ 5.35 5.50 5.60
No. 10 1/4" 5/16"	No. 5, 8, 6 No. 8 No. 10	8 10 1⁄4"	½" 5/16"	1/16"	3/32" 1/8" 5/32"	27/16" 211/16" 3"	5/8" 3/4" 7/8"	35 ea. 35 ea. 35 ea.	4 oz. 8 oz. 14 oz.	4.70 4.80 6.30	6.10 6.25 8.20
3%" 7/16" 1/2" & 9/16"	½" 5/16"	5/16" 3%" 7/16"	3/8" 1/2"	1/8"	3/16" 7/32" 1/4"	35/16" 33/4" 41/8"	7/8" 1" 11/8"	20 ea. 20 ea. 20 ea.	12½ oz. 1 lb 4 oz. 1 lb. 12 oz.	7.65 9.20 10.70	9.95 11.95 13.90
5/8" 3/4"	3/8" & 7/16" 1/2"	<sup>1</sup> / <sub>2</sub> " <sup>5</sup> / <sub>8</sub> " & <sup>3</sup> / <sub>4</sub> "	5/8" 3/4"	3/8" 1/2"	5/16" 3/8"	45%" 51/8"	1½" 1¾"	10 ea. 10 ea.	1 lb. 9 oz. 2 lb. 7 oz.	18.30 30.00	23.80 39.00

- K-D TOOLS are designed for specific jobs and will render satisfactory, dependable service if used as intended or according to instructions furnished. They are guaranteed against defective material and workmanship, but not against abuse or mis-use.
- We do not authorize the free replacement of any K-D TOOLS from Distributor or Jobber Stocks and assume no obligation to make replacements. Factory inspection will determine if tool is defective.
- Broken tools may be returned prepaid to factory for repair or replacement at our option. Repair charge, if any, and return transportation will be invoiced, all depending on the condition of tools and parts required. Broken Valve Lifter Jaws are not subject to free replacement.
- Tools showing evidence of abuse, mis-use, worn out, altered, or used for purposes other than intended will be repaired, if possible, at nominal charge, plus the price for parts required. We will advise repair charges upon request and will notify if tools cannot be repaired.
- Where possible, we suggest Repair Parts be sold to customers to make their own repairs and thus avoid the expense of returning certain tools to the factory for repair. Broken or used tools are not accepted for credit.

Repair Parts for Tool No.	Unit	Suggested Resale	g and
No. 99 Locking Device	each	\$ 1.38	
Handle Assembly		.38	
No. 130 Reversible Bit	each	.55	
No. 245-260 — Not guaranteed or subject to adjustment.	of the Tari	7 PP	
No. 300-400 Locking Device	each	.55	
Jaws, A-B-C-D-E	eacn	.60	
No. 320 Jaws, w/screws, Nos. 32-35 or 38	pair	1.50 .79	
Plunger Bar		.26	
Plunger Bar Lock Ratchet Bar	each	.52	
Thumb Latch	each	.26	
Upper Part for Spring Comp.		.62	
Valve Spring Comp. Attach.		.88	
Operating Handle & Rivets		.54	
No. 325 Jaws, w/screws, Nos. 32-35 or 38		1.50	
Plunger Bar	each	1.31	
Brake Assembly		2.43	
Handle w/plastic knobs	each	.88	
No. 335 Lower Jaw, w/screws		4.40	
Brake Assembly		2.43	
Handle w/plastic knobs		.88	
No. 339 Ratchet Screw		.74	
Foot & Lock Ring		.69	
No. 380 Jaws, w/screws, Nos. 32-35 or 38		1.50	
Jaw Screws	each	.05	
Jaw Adjusting Screw	each	.15	
Plunger Bar %" thick		1.30	
Ratchet Lock w/spring		.38	
Plunger Bar Sleeve		.23	
Plunger Bar Assembly w/Hand-wheel-sleeve & lock	set	3.10	
Hand Wheel only	each	1.14	
Top Operating Handle, w/links		.65	
Connecting Links only	pair	.15	
Frames		1.55	
No. 382 Jaws, w/screws, Nos. 32-35 or 38	pair	1.50	
Plunger Bar Assembly (See prices for #380)			
Frame Hand Wheel Assembly	assem.	1.00	
No. 383 Jaws, w/screws, Nos. 32-35 or 38	pair	1.50	
Plunger Screw	each	.70	
Lower Arm, w/rivets		.38	
Handle Links, w/rivets		.18	
No. 385 Plunger Screw		.50	
Lower Arm, w/rivets		.38	
Handle Links, w/rivets		.18	
Jaws, specify right or left	each	.75	
No. 428 Swivel Jaws, w/spring washers		.28	
No. 430 Jaws, w/rivets		.25	
No. 435 Large Jaw, w/rivets		.65	
No. 440 Jaws, w/rivets		.38	
No. 500 Series Valve Grinder Rubber Cups Specify Dia. 13/8". 15/8". 11/8". 15/8	%" each	.38	
No. 500 Series Valve Grinder Rubber Cups Specify Dia. $^{13}\!\!/_{6}$ ", $^{15}\!\!/_{16}$ ", $^{11}\!\!/_{16}$ ", $^{11}\!\!/_{16}$ ", $^{11}\!\!/_{16}$ ", $^{11}\!\!/_{16}$ ", $^{11}\!\!/_{16}$ ", $^{11}\!\!/_{16}$ "	each	.38	
No. 600 Jaws, specify upper or lower, right or left	each	.75	
Lock Spring only	each	.23	
Locking Device		.53	
6. 607 Magnet Jaw Assembly, w/rivets furnished in pairs only	pair	.80	
Handle Spring		.23	
lo. 608 Jaw Clips, w/rivets specify right or left	each	.15	
Spring Clips, w/rivets specify right of left	each	.15	
Spring	each	.23	
No. 609 Magnet Jaw Assembly, w/rivets furnished in pairs only	pair	.80	
Spring	each	.23	
No. 700 Jaws, specify upper or lower, right or left	each	.75	
U Link		.11	
Screw-Nut-Hand Wheel		1.00	
Jaw Adjusting Screw		.15	
NOTE: No. 700 must be returned to factory for repair.	cacii	.10	
No. 710 Chisel	each	.80	
Screw		1.25	
No. 715 Chisel		.95	
Pusher		.75	
rusner Balls		.30	
Forcing Screw	рац	1.25	

Repair Parts for Tool No.	Unit	Suggested Resale	EPAIK AD.
No. 820 Jaws, specify upper or lower, right or left	each	\$ .75	
Handle, w/rivets	each	.23	
No. 870 Handle	each	.30	
Bracket		.23	
Gauge Plate	each	1.23	
Shaft		1.92	
No. 872 Cutter File for No. 870		.95	
No. 875 Flat Spring	each	.20	
No. 900 Upper Jaws, specify right or left	each	.75	
law Adjusting Screw	each	.15	
No. 918 Jaw Plate w/rivets	each	.45	
Pulling Screw	each	1.30	
Cup Forging	each	2.33	
Handle	each	.57	
Retainer Spring		.08	
Cup, Screw & Handle Assembly		4.28	
No. 930 Jaws, specify right or left	each	.75	
Lower Arm & Rivets	each	.38	
Handle Links & Rivets		.18	
Plunger Screw	each	.50	
No. 935 Jaws specify upper or lower right or left	each	.75	
Handle, w/rivets	each	.23	
No. 1500 Spring	each	.23	
Handle & Jaw Assembly, w/rivets, specify right or left	each	.79	
PLASTIC CASES ONLY FOR		Total	
No. 4 Kit	each	.30	
No. 5B		.42	
Nos. 5 or 5KC		.65	
No. 10K		.37	
No. 11K		.28	
No. 20		.38	
No. 27, 27S, 29		.28	
No. 30 Box Only		1.10	
No. 33 Box Only		4.30	

## **DISCONTINUED ITEMS**

## K-D TOOLS

List	Suggested Resale	pe o. Unit	List	Suggested Resale	Unit	CL. daner	8	Type No.
\$10.05	\$ 7.35	70RD-½" Die only Ea.	\$ 2.45	\$ 1.80	Ea.	UP JUNE		4
10.80	7.90	75RD-34" Die only Ea.	2.90	2.10	Doz.			17
6.50	4.75	65—Anvil for $\frac{7}{16}$ "- $\frac{9}{16}$ "- $\frac{5}{8}$ " Dies Ea.	1.50	1.10	Ea.			77
7.95	5.80	70—Anvil for ½" Die Ea.	4.95	2.15	Ea.			110
7.95	5.80	75—Anvil for ¾" Die Ea.	2.25	1.65	Ea.			260
5.75	4.20	65—Base for A565 Anvil Ea.	4.00	2.90	Ea.	7.1	<b>.</b>	300
5.75	4.20	70—Base for A570 Anvil Ea.	1.65	1.20	Ea.		4	307
5.75	4.20	75—Base for A575 Anvil Ea.	19.10	13.95	Ea.		,	320
2.25	1.65	10 Ea.	30.10	22.00	Ea.			335
5.80	4.25	17 Ea.	2.55	1.85	Ea.			336
5.80	4.25	18 Ea.	32.35	23.65	Set		The second second	337
5.80	4.25	19 Ea.	8.20	6.00	Ea.			339
11.95	8.75	10 Ea.	6.15	4.50	Doz.	Bulk		444
2.55	1.85	10G Ea.	2.55	1.85	Ea.	AL SECTION AND ADDRESS OF THE PROPERTY OF THE		502
2.55	1.85	18 Ea.	2.45	1.80	Ea.			511
18.80	13.75	60 Ea.	6.65	4.85	Ea.			560
17.05	12.45	31 Ea.	19.45	14.20	Set			5565
2.30	1.70	62 Ea.	19.45	14.20	Set			5567
1.30	.95	65 Ea.	19.45	14.20	Set			5570
2.5	1.85	19 Ea.	21.55	15.75	Set			575
5.80	4.25	21 Per 100	10.05	7.35	Ea.	only		
1.70	1.25	23 Ea.	10.05	7.35	-			
6.50	4.75	25 Ea.	10.05	7.35	Ea.	only		
2.60	1.90	60 Ea.	The state of the	,,,,,				0001

#### K-D SHORT TYPE WHEEL PULLERS

Type No.	Unit	Suggested Resale	List	Type No.	Unit	Suggested Resale	List
<del>5</del> %"—18	Ea.	\$ 1.46	\$ 2.00	11/8"-7	Ea.	\$ 1.95	\$ 2.70
3/4"-20	Ea.	1.67	2.30	11/8"-12	Ea.	1.95	2.70
<sup>13</sup> / <sub>16</sub> "–16		1.77	2.40	11/4"-7	Ea.	1.95	2.70
7/8"—14	17.0	1.77	2.40	11/4"-12	Ea.	1.95	2.70
7/8"—16	Ea.	1.95	2.70	1½"-6	Ea.	2.45	3.35
78"—18	Ea.	1.95	2.70	1½"-12	Ea.	2.45	3.35
1" 14	Ea.	1.95	2.70	No. 800 Set(5 sizes in cartor	Set	8.30	11.40

NOTE: The above items to be discontinued when stock is exhausted — Not subject to return for credit.

CAUTION — Order only as required.